



INDIUM SENSOR

Elektronische Geräte für Industrie und Umwelt

V-Lambda (Luminosity) radiation sensor type 4.1

V-Lambda radiation

Luminosity (V-Lambda) covers the spectral range of visible light, it corresponds to the sensitivity of the human eye. The measured value is allowing clues about the perceived brightness of light.

Spectral range stretches from the end of ultraviolet (400nm) to the beginning of infrared (720). Maximum sensitivity is reached around 555nm.

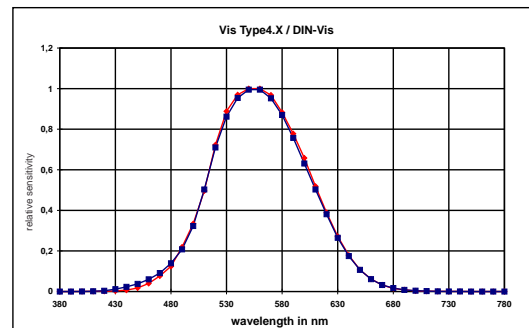
Detected exposure rates can easily be converted into Illuminance in Lux.

Measurements in this range do have a great significance for illumination projects and workplace design, for example.

Luminosity measuring head type 4.1

V-Lambda sensors are used in medical research, agricultura, automotive industry and measurement of artificial light. Spectral sensitivity of the sensor closely resembles the one of the human eye.

The measuring head type 4.1 features a weatherproof aluminum housing. The results are cosine corrected. The dome is made of polished optical glass.



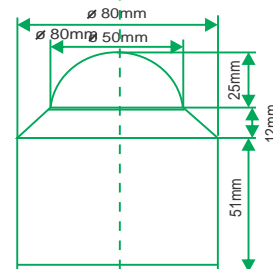
Technical specifications

Measuring range	0 - ca. 170 kLux
Spectr. sensitivity	360 nm - 760 nm
Max. spectral sensitivity	550 nm
sensor system	Si interf. filter
Working temperature	-55 - +80°C -70 - +170 °F
Signal output	0V - 5V/ 4 - 20 mA(adjustable) +9V - +24V/*+14V+24V **RL(0-100Ohm)
Power supply	
Installation	2 screws M4 in the bottom

Connector cable	downward
Diffusor material	PTFE
Dome material	optical Glass
Cosine correction	error f2 < 1.5%
Linearity	< 1%
Abs. error	< 10 %
Dark voltage (E=0)	< 10 mV
Weight	400g 14 oz

Specifications are subject to change without prior notice.

Dimensions:



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